

MRV III-C(T3) 50/60Hz-380~400v-3Ph



8HP



10/12HP



Dual Frequency 50/60Hz-380~400v-3Ph
 DC Inverter Scroll Compressor & BLDC Fan
 3 Basic Modular Units: 8HP, 10HP, 12HP
 Free Combination up to 36HP with Incremental 2HP,
 Max. Indoor Units up to 36
 High Ambient Operation up to 52°C



Model		AV08NMVERB	AV10NMVERB	AV12NMVERB	AV16NMVERB	AV18NMVERB	AV20NMVERB	AV22NMVERB	AV24NMVERB	AV26NMVERB	AV28NMVERB	AV30NMVERB	AV32NMVERB	AV34NMVERB	AV36NMVERB		
Combination model		/	/	/	AV08NMVERB	AV08NMVERB	AV10NMVERB	AV10NMVERB	AV12NMVERB	AV08NMVERB	AV08NMVERB	AV10NMVERB	AV10NMVERB	AV10NMVERB	AV12NMVERB		
		/	/	/	AV08NMVERB	AV10NMVERB	AV10NMVERB	AV12NMVERB	AV12NMVERB	AV08NMVERB	AV08NMVERB	AV10NMVERB	AV10NMVERB	AV12NMVERB	AV12NMVERB		
		/	/	/	/	/	/	/	/	AV10NMVERB	AV12NMVERB	AV10NMVERB	AV12NMVERB	AV12NMVERB	AV12NMVERB		
Capacity	Capacity range	HP	8	10	12	16	18	20	22	24	26	28	30	32	34	36	
	Cooling capacity	kW	22.6	28.0	33.5	45.2	50.6	56	61.5	67.0	73.2	78.7	84.0	89.5	95.0	100.5	
	Heating capacity	kW	25.0	31.5	37.5	50.0	56.5	63.0	69.0	75.0	81.5	87.5	94.5	100.5	106.5	112.5	
Electrical parameters	Power supply	Ph/V/Hz	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	3/380-400/50/60	
	Cooling	Rated power input	kW	6.28	7.81	9.36	12.6	14.1	15.62	17.2	18.7	20.4	21.9	23.4	25.0	26.5	28.08
		Max. power input	kW	14.7	17.54	20.48	29.4	32.2	35.08	38.0	41.0	46.9	49.9	52.6	55.6	58.5	61.44
		Rated current	A	10.6	13.18	15.8	21.2	23.8	26.36	29.0	31.6	34.4	37.0	39.5	42.2	44.8	47.4
		Max. current	A	23.4	27.9	32.37	46.8	51.3	55.8	60.3	64.7	74.7	79.2	83.7	88.2	92.6	97.11
	Heating	Rated power input	kW	5.98	7.51	9.11	12.0	13.49	15.02	16.6	18.2	19.5	21.1	22.5	24.1	25.7	27.33
		Max. power input	kW	11.9	14.6	17.8	23.8	26.5	29.2	32.4	35.6	38.4	41.6	43.8	47.0	50.2	53.4
		Rated current	A	10.1	12.68	15.38	20.2	22.8	25.36	28.1	30.8	32.9	35.6	38.0	40.7	43.4	46.14
		Max. current	A	19	23.3	28.4	38.0	42.3	46.6	51.7	56.8	61.3	66.4	69.9	75.0	80.1	85.2
	EER		3.60	3.59	3.58	3.60	3.59	3.59	3.58	3.58	3.59	3.59	3.59	3.58	3.58	3.58	
COP		4.18	4.19	4.12	4.18	4.19	4.19	4.15	4.12	4.19	4.15	4.19	4.16	4.14	4.12		
Performance	Air flow (H)	m ³ /h	11000	14100	14100	22000.0	25100.0	28200	28200.0	28200.0	36100.0	36100.0	42300.0	42300.0	42300.0	42300	
	Sound pressure level (H)	dB(A)	60	65	65	63	66	68	68	68	67	67	70	70	70	70	
	Sound power level (H)	dB(A)	76	81	81	80	83	85	85	85	85	85	88	88	88	88	
Installation	External dimensions(W/D/H)	mm	990/750/1808	1390/750/1808	1390/750/1808	990/750/1808 +990/750/1808	990/750/1808 +1390/750/1808	1390/750/1808 +1390/750/1808	1390/750/1808 +1390/750/1808	1390/750/1808 +1390/750/1808	990/750/1808 +990/750/1808 +1390/750/1808	990/750/1808 +990/750/1808 +1390/750/1808	1390/750/1808 +1390/750/1808 +1390/750/1808	1390/750/1808 +1390/750/1808 +1390/750/1808	1390/750/1808 +1390/750/1808 +1390/750/1808	1390/750/1808 +1390/750/1808 +1390/750/1808	
	Shipping dimensions(W/D/H)	mm	1090/860/1990	1490/860/1990	1490/860/1990	1090/860/1990 +1090/860/1990	1090/860/1990 +1490/860/1990	1490/860/1990 +1490/860/1990	1490/860/1990 +1490/860/1990	1490/860/1990 +1490/860/1990	1090/860/1990 +1090/860/1990 +1490/860/1990	1090/860/1990 +1090/860/1990 +1490/860/1990	1490/860/1990 +1490/860/1990 +1490/860/1990	1490/860/1990 +1490/860/1990 +1490/860/1990	1490/860/1990 +1490/860/1990 +1490/860/1990	1490/860/1990 +1490/860/1990 +1490/860/1990	
	Net/Shipping weight	kg	240/255	360/378	368/386	480/510	600/633	720/756	728/764	720/756	840/888	848/896	1080/1134	1088/1142	1096/1150	1104/1158	
	Compressor type		DC INV SCROLL	DC INV SCROLL	DC INV SCROLL	DC INV SCROLL	DC INV SCROLL	DC INV SCROLL	DC INV SCROLL	DC INV SCROLL	DC INV SCROLL	DC INV SCROLL	DC INV SCROLL	DC INV SCROLL	DC INV SCROLL	DC INV SCROLL	
	Compressor quantity		1 INV	1 INV +1 FIX	1 INV +1 FIX	2 INV	2 INV +1 FIX	2 INV +2 FIX	2 INV +2 FIX	2 INV +2 FIX	3 INV +1 FIX	3 INV +1 FIX	3 INV +3 FIX	3 INV +3 FIX	3 INV +3 FIX	3 INV +3 FIX	
	Refrigerant type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
	Refrigerant charge	kg	10	10	10	20	20	20	20.0	20.0	30.0	30.0	30.0	30.0	30.0	30	
	Refrigerant liquid pipe	mm	9.52	12.7	12.7	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	
	Refrigerant gas pipe	mm	22.22	25.4	28.58	28.58	28.58	28.58	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	
	Oil equalization pipe	mm	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52	
Total pipe length	m	300	300	300	300	300	300	300	300	300	300	300	300	300	300		
Max. pipe length(Equivalent/Actual)	m	175/150	175/150	175/150	175/150	175/150	175/150	175/150	175/150	175/150	175/150	175/150	175/150	175/150	175/150		
Max drop between I.U.&O.U	m	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40	50/40		
External static pressure	Pa	50	50	50	50	50	50	50	50	50	50	50	50	50	50		
Connection ratio	Connectable indoor unit ratio	%	50-130	50-130	50-130	50-130	50-130	50-130	50-130	50-130	50-130	50-130	50-130	50-130	50-130		
	Maximum number of indoor units		10	13	16	20	20	24	24	28	28	32	32	36	36		
Working temp.	Cooling	°C	-5-52	-5-52	-5-52	-5-52	-5-52	-5-52	-5-52	-5-52	-5-52	-5-52	-5-52	-5-52	-5-52		
	Heating	°C	-15-15.5	-15-15.5	-15-15.5	-15-15.5	-15-15.5	-15-15.5	-15-15.5	-15-15.5	-15-15.5	-15-15.5	-15-15.5	-15-15.5	-15-15.5		

* 1 outdoor above 50m outdoor below 40m.
 * All the specifications are tested under normal condition(In cooling, Indoor temp is 27°C DB/19°C WB, Outdoor temp 35°C DB/24°C WB, In heating, Indoor temp is 20°C DB, Outdoor temp is 7°C DB/6°C WB)